

FIG. 2

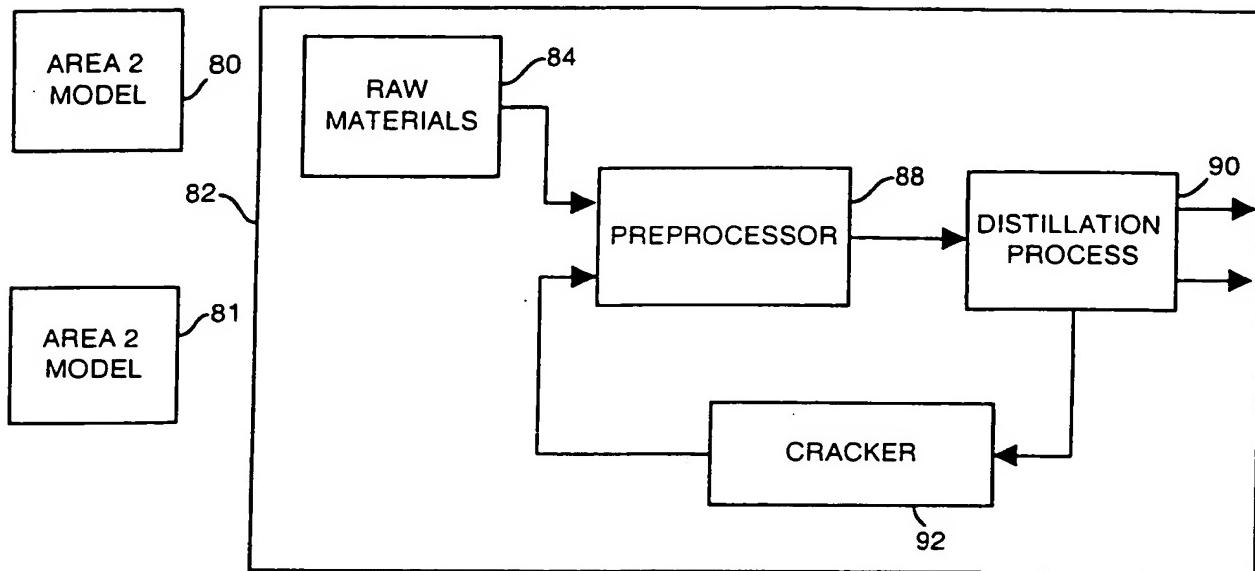


FIG. 3

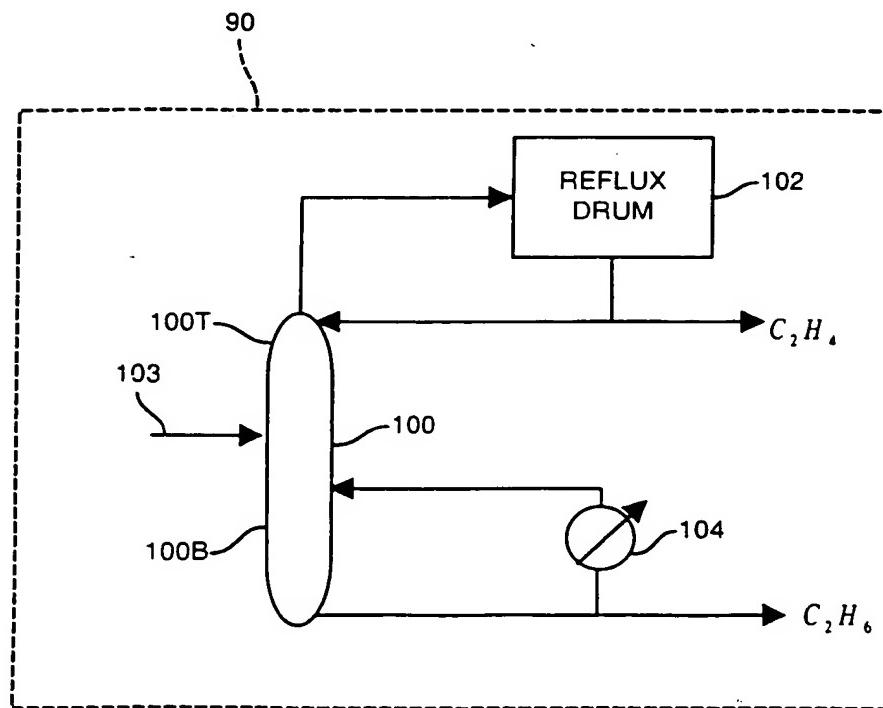


FIG. 4

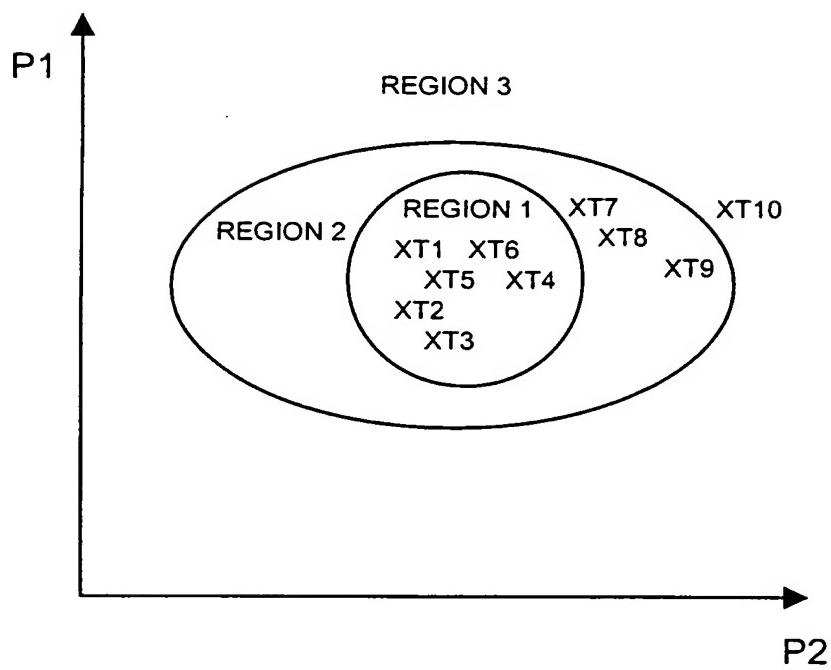


FIG. 5

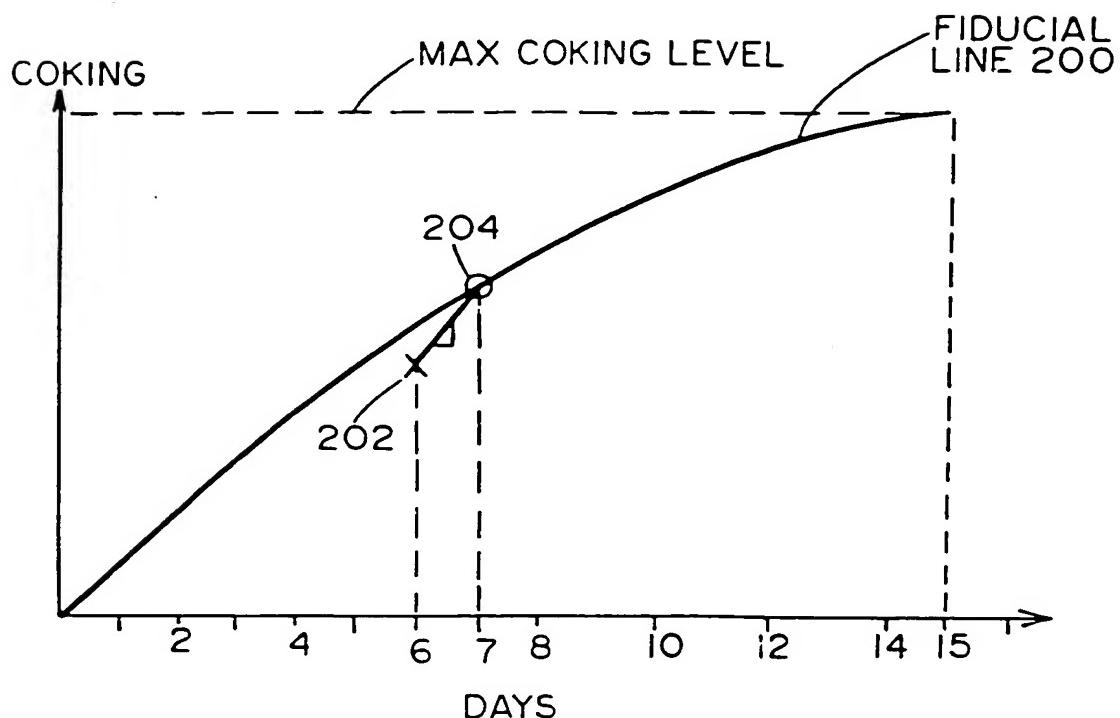


FIG. 6

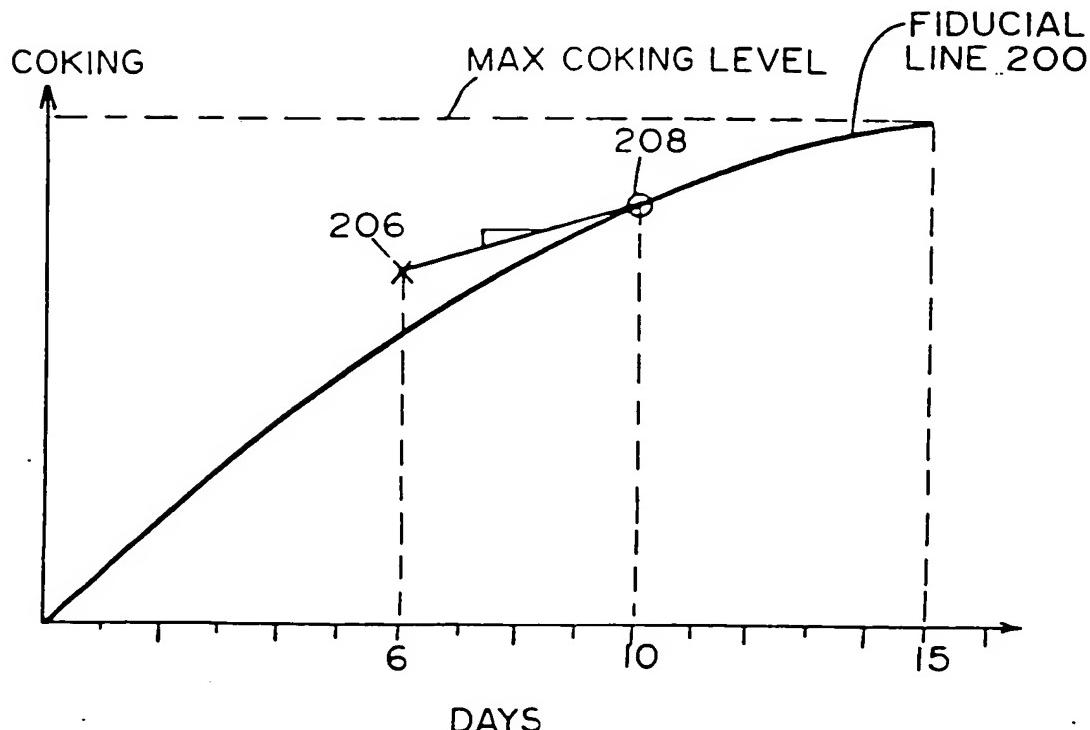
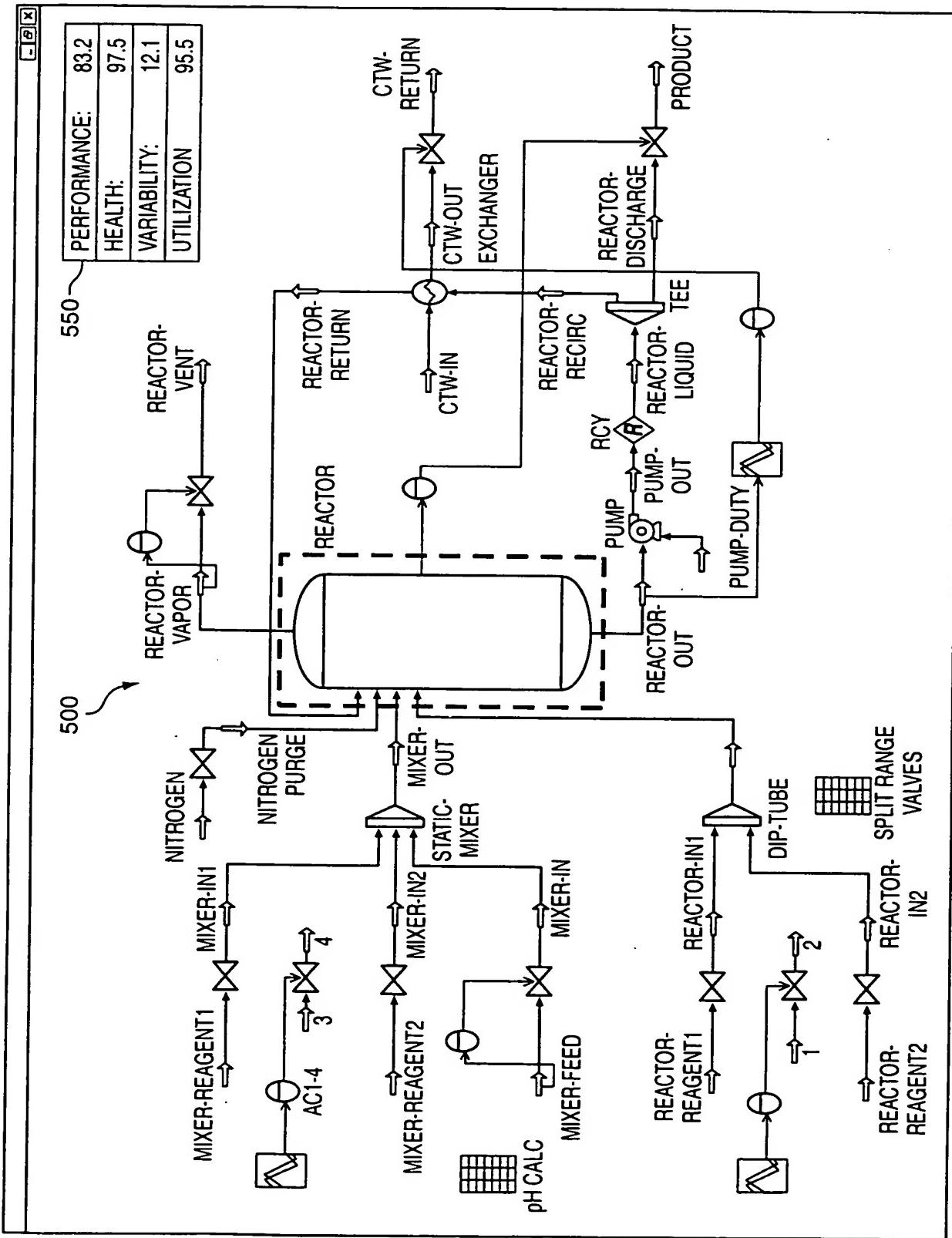


FIG. 7

FIG. 8



	PI	VI	HI	UI
Unit	x		x	x
Sub Unit	x		x	x
Loop		x	x	x
Device		x	x	

FIG. 9

PERFORMANCE FOR FCCU: 83.2

Loop Name	Index	Weight
FIC-101	88	3
TIC-111	89	3
LIC-111	88	3
FIC-111	60	3
FIC-112	80	1
TCI-222	87	1
FIC-101	88	3
TIC-111	89	3
LIC-111	88	3
FIC-111	60	3
FIC-112	80	1
TIC-222	87	1
PIC-111	87	1

FIG. 10

FCCU Health: 97.5

Device Name	Index	Description	Weight
FV-111	100	Leaking	3
TI-111	98	Sticktion	3
LI-111	90	40	3
MC-101	95	Will burn up in 2 weeks	3
FV-111	96	0	1

FIG. 11

FCCU Variability: 12.1

Device Name	Index	Weight
FV-101	0	3
TI-111	2	3
LI-111	40	3
FV-111	0	3
FV-112	0	1
TI-222	2	1
FI-101	7	3
TI-111	6	3
LI-111	7	3
FI-111	7	3
FI-112	7	1
TI-222	7	1
Sub unit: Reboiler RB101	15	2

FIG. 12

FIG. 13

Alarms Process Impulse Line

Plugged Impulse Line Detection

Time Stamp 12:72:12

Status

- OK
- Inactive
- Learning
- Verifying
- Insufficient Dynamics
- Bad PV Status
- Not Licensed

All Lines Plugged

Plugged Impulse Line History

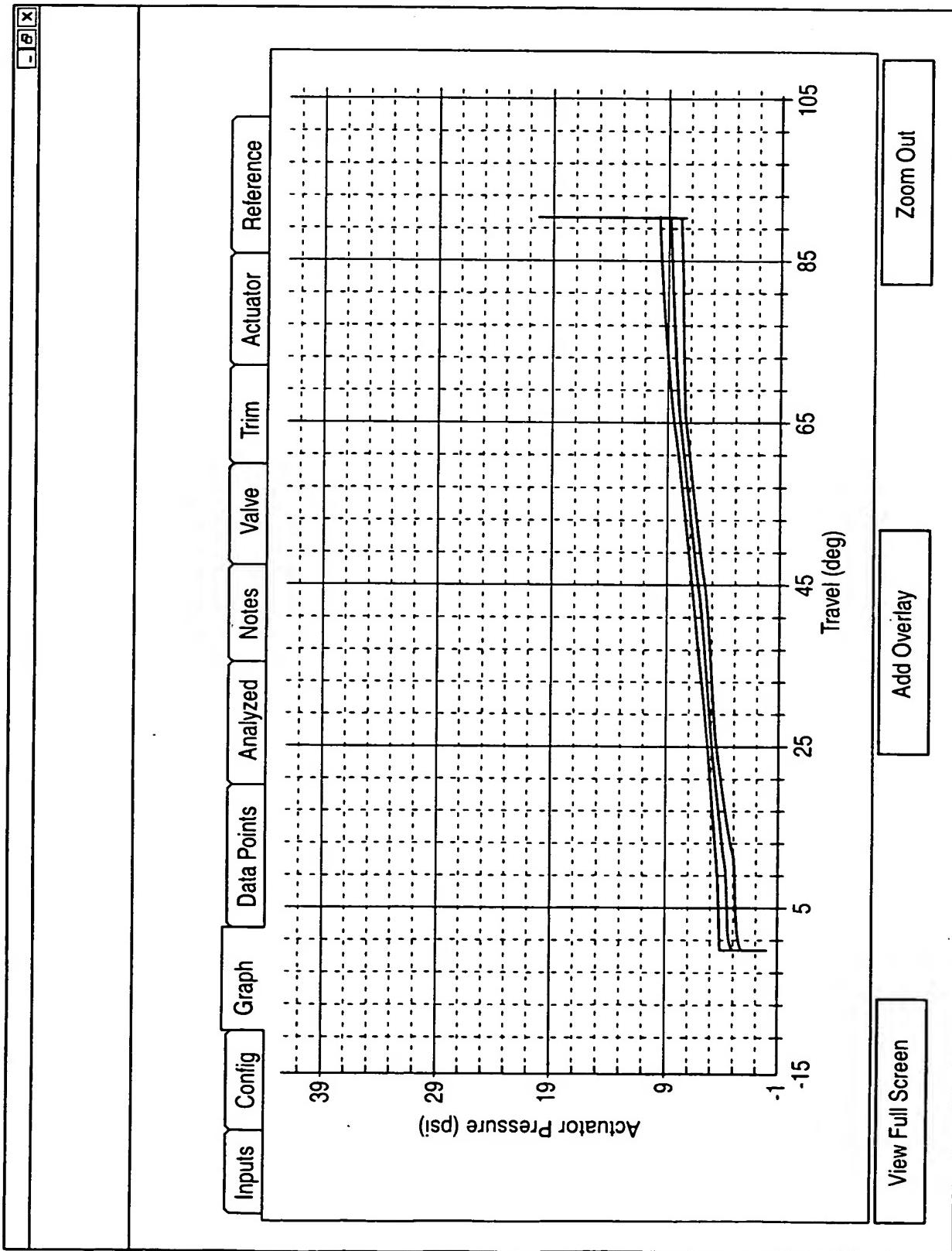
Time Stamp 16:72:12

Status

- All Lines Plugged
- No History

- X

FIG. 14



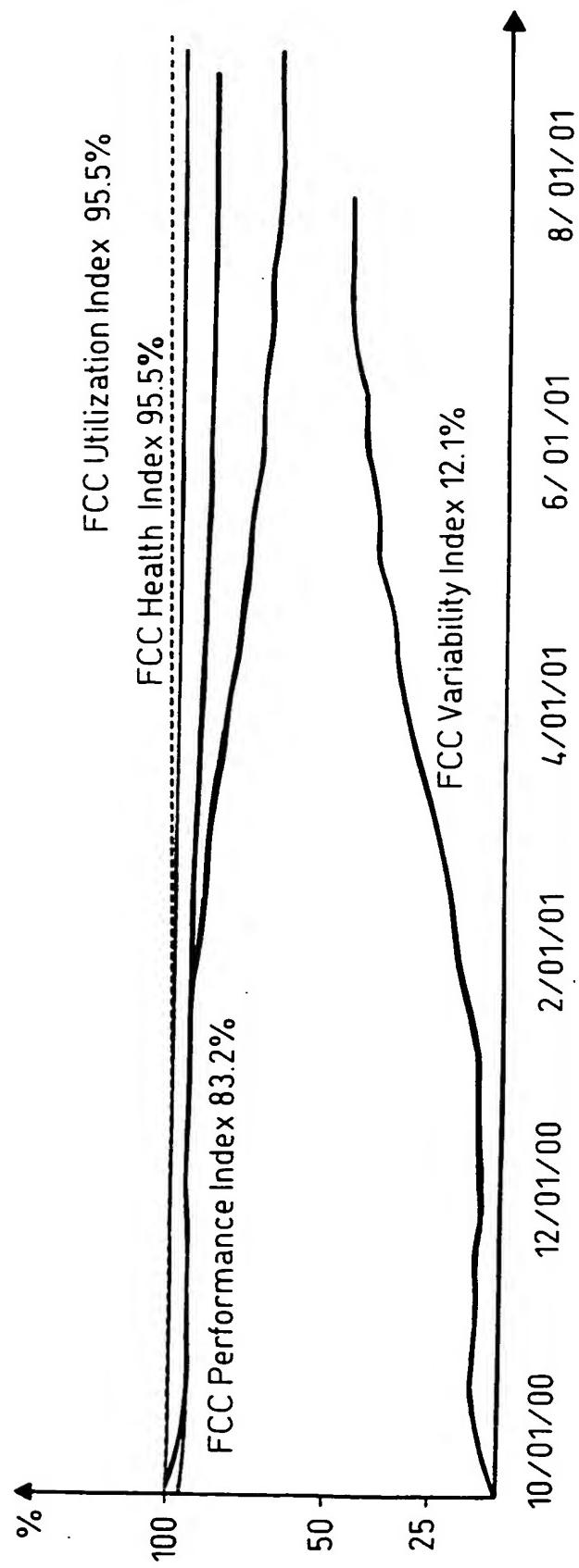
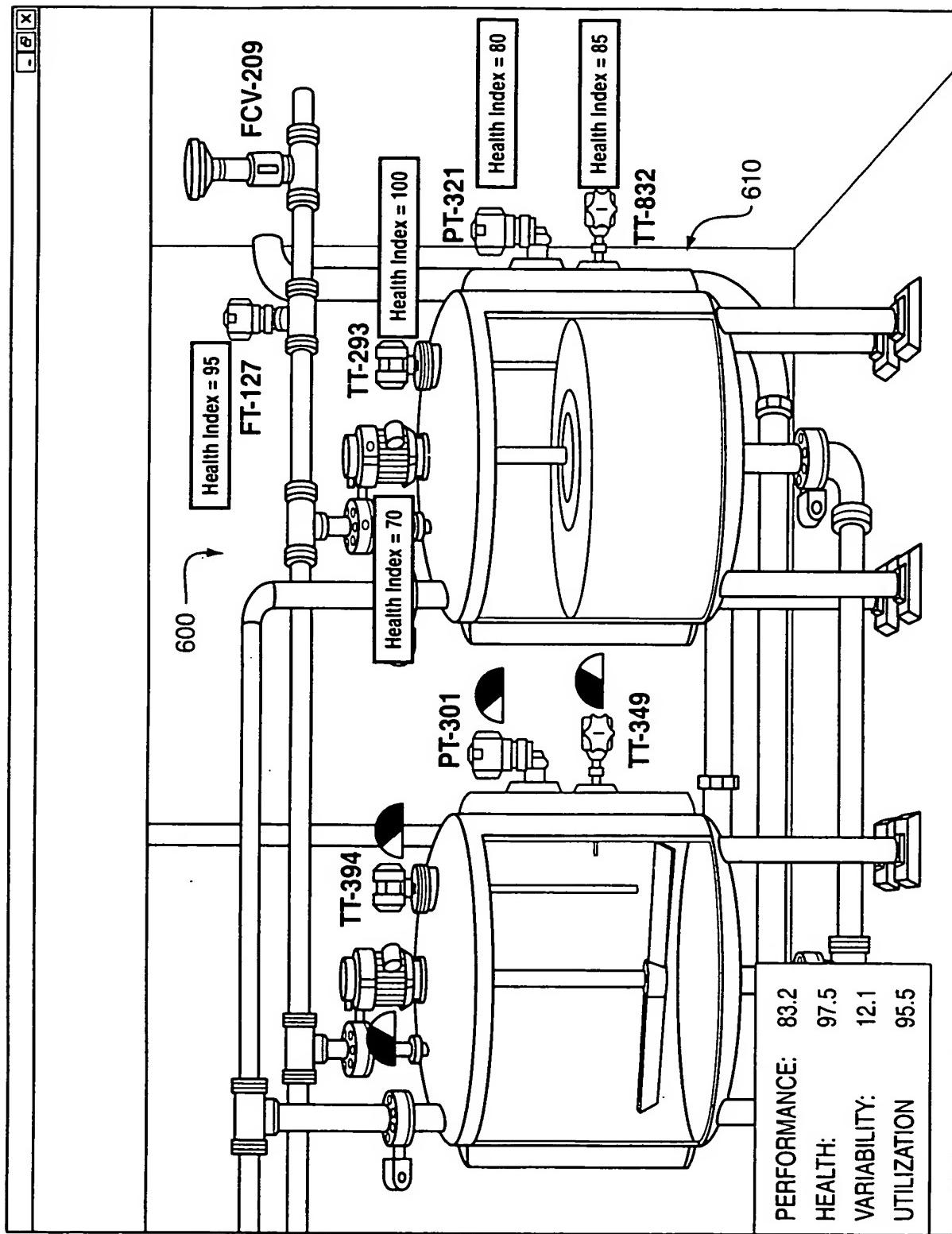


FIG. 15



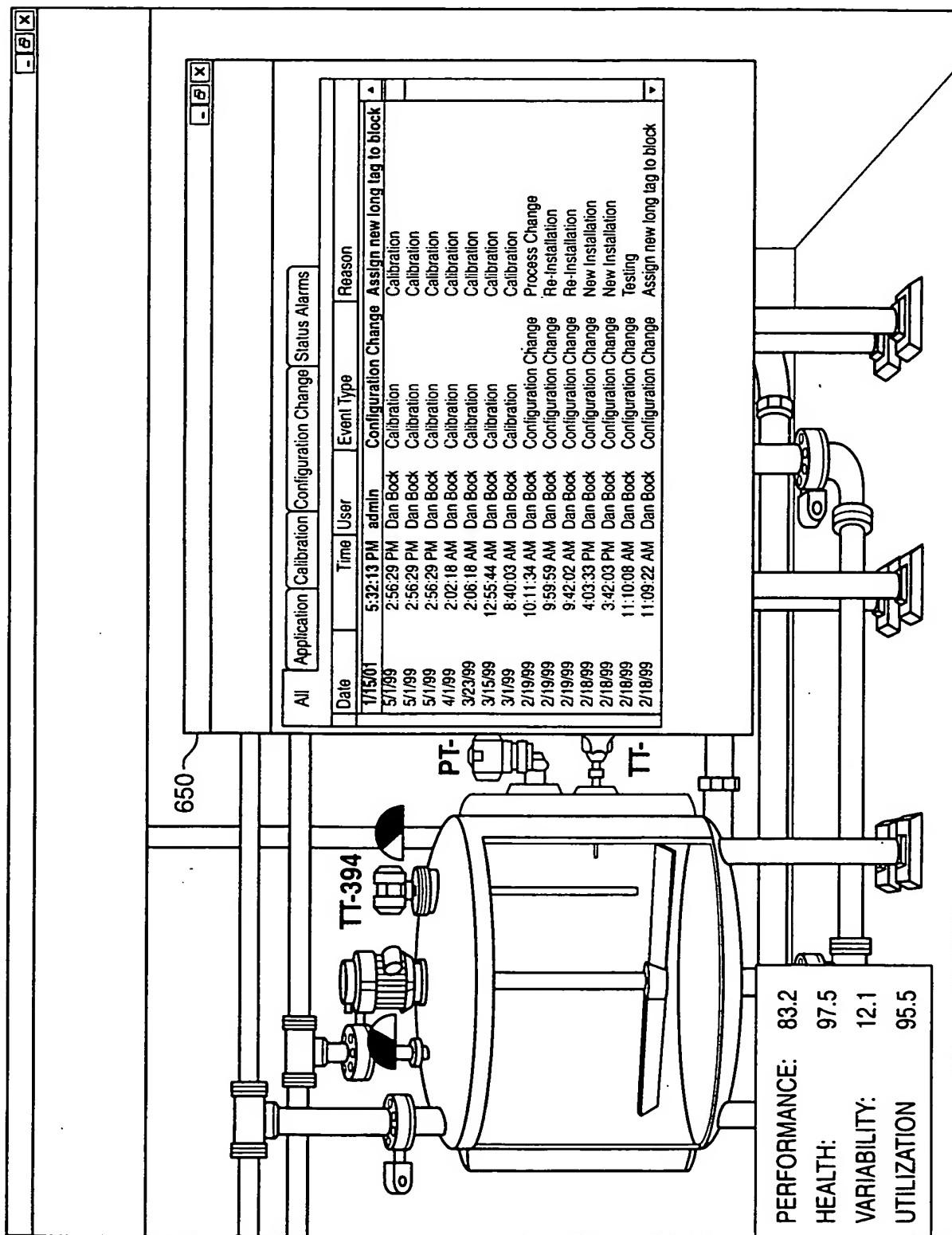


FIG. 17

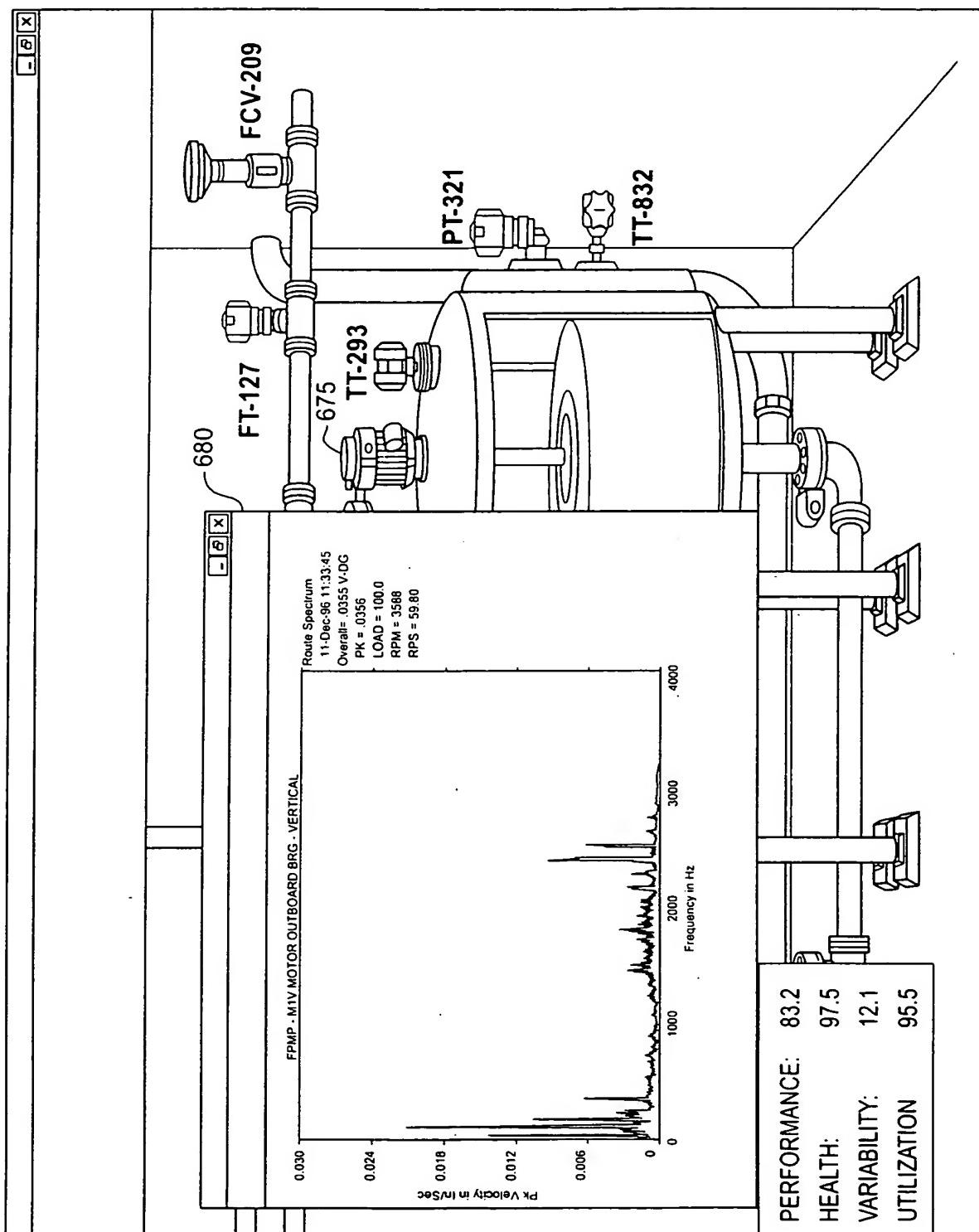


FIG. 18

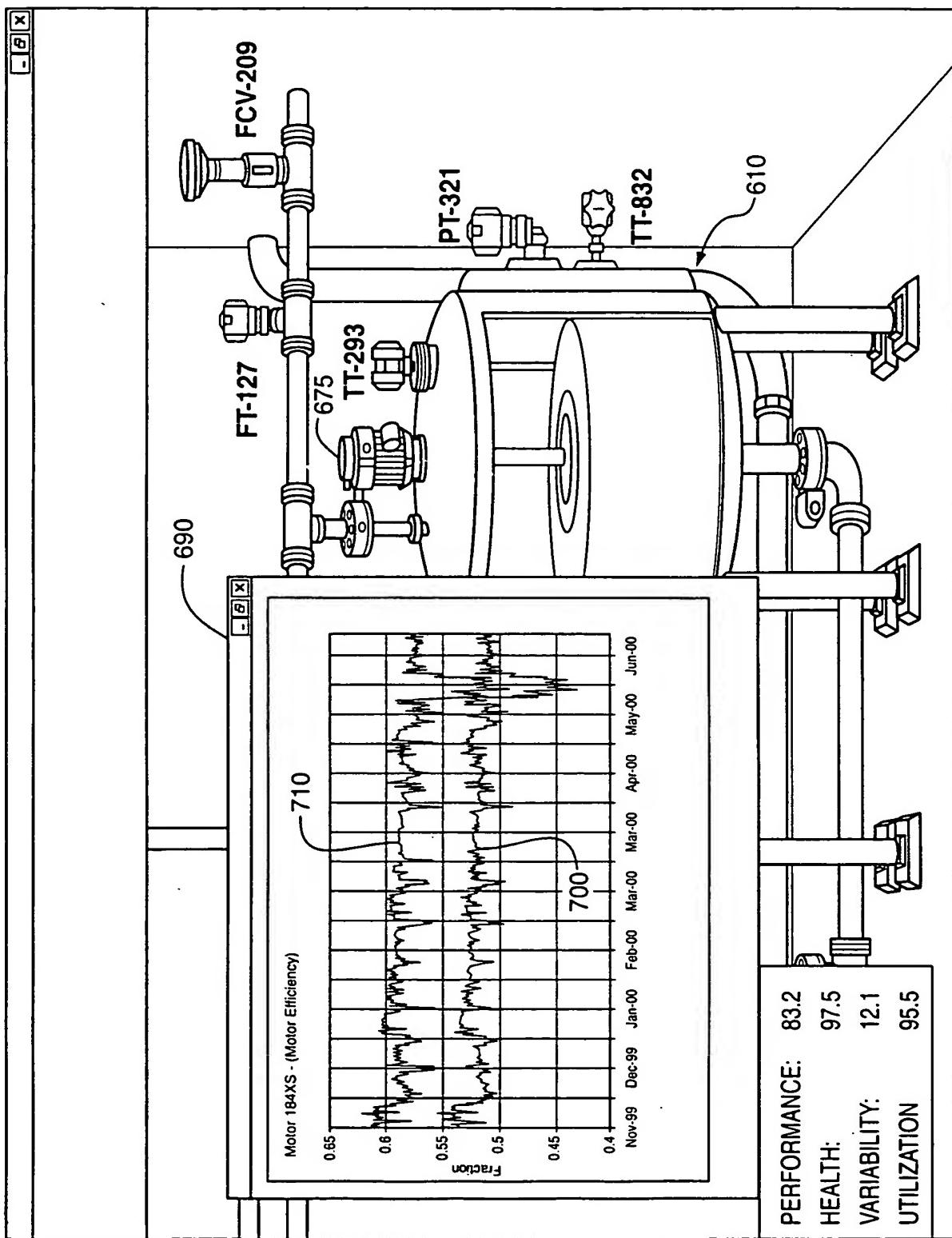


FIG. 19

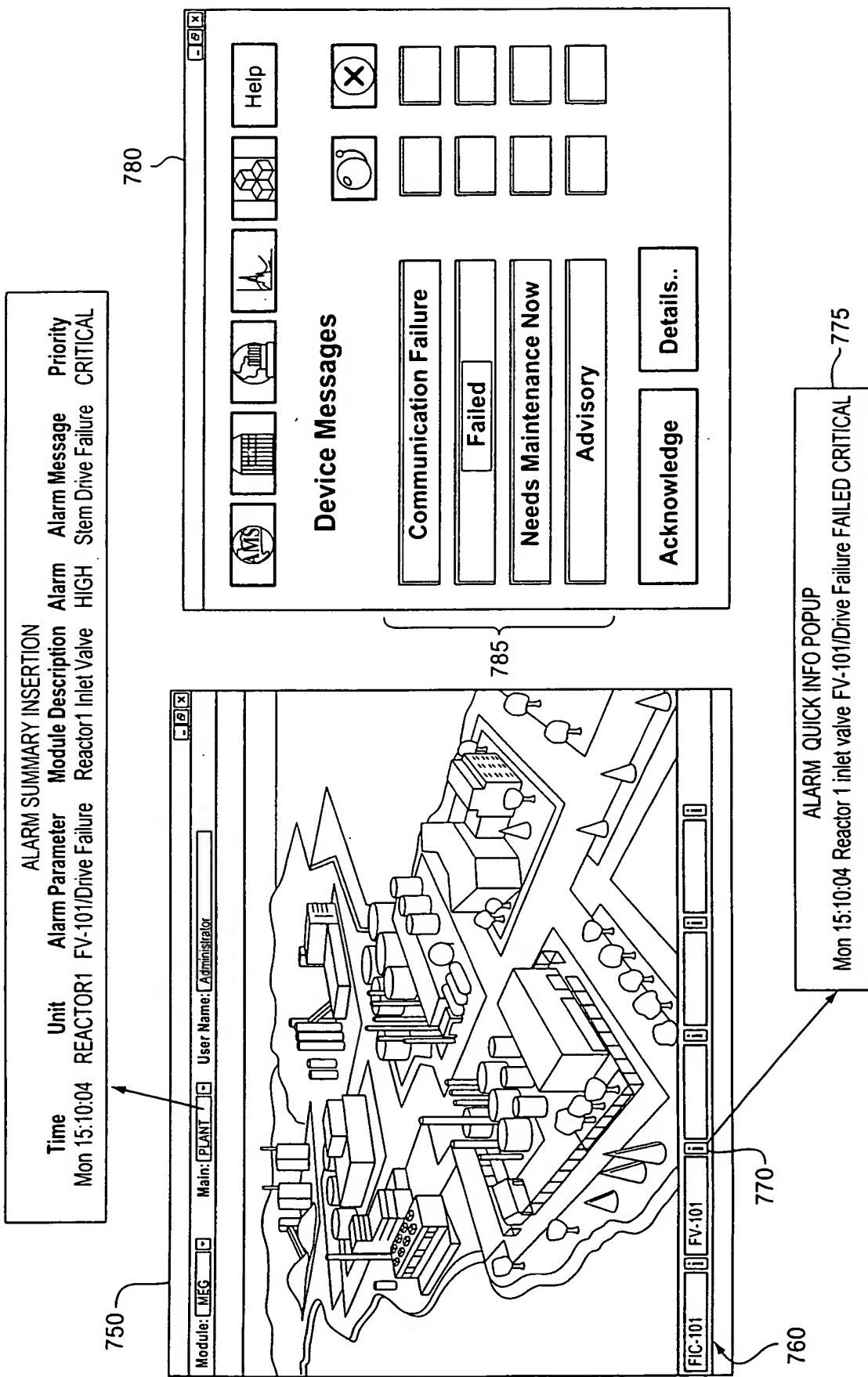


FIG. 20

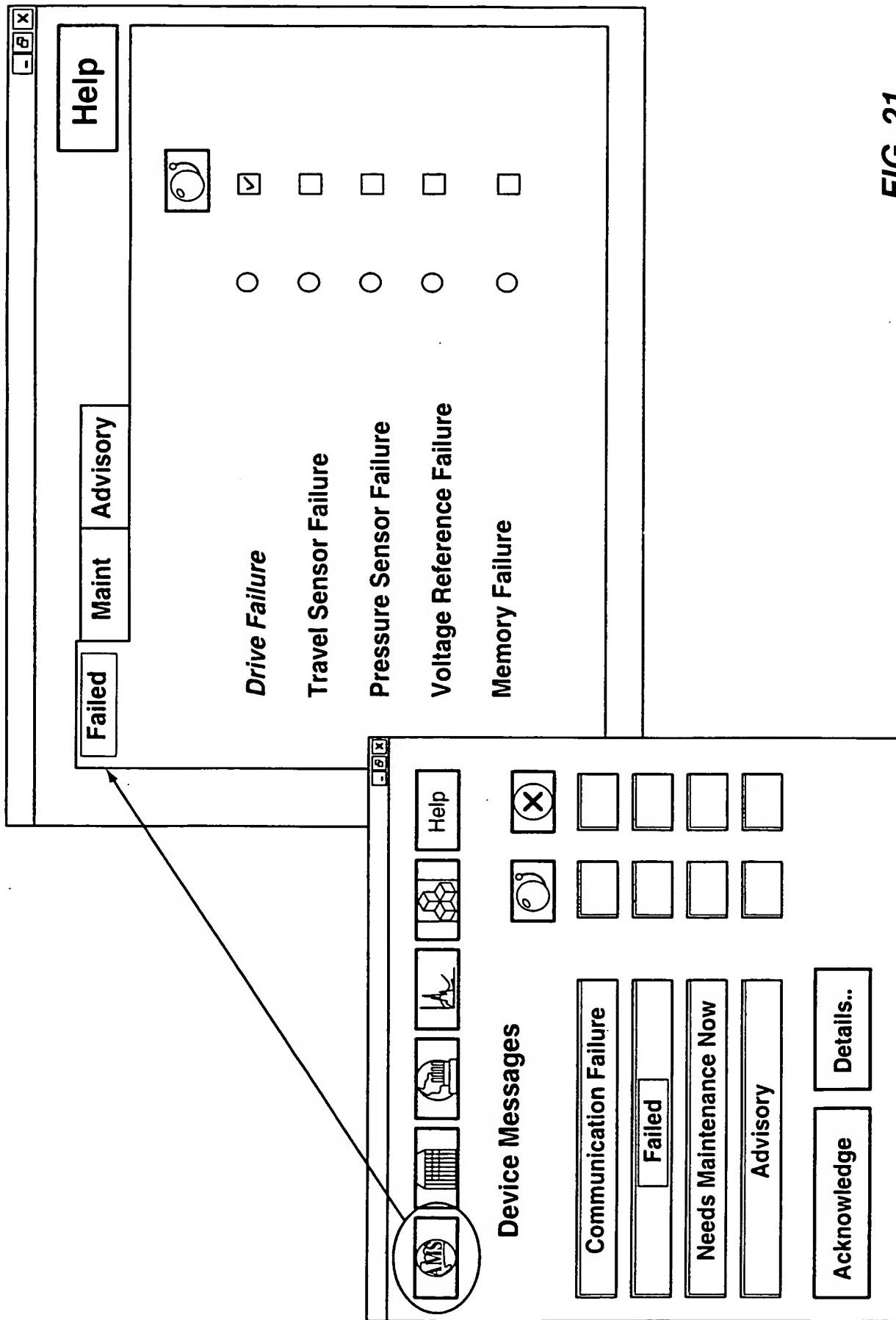
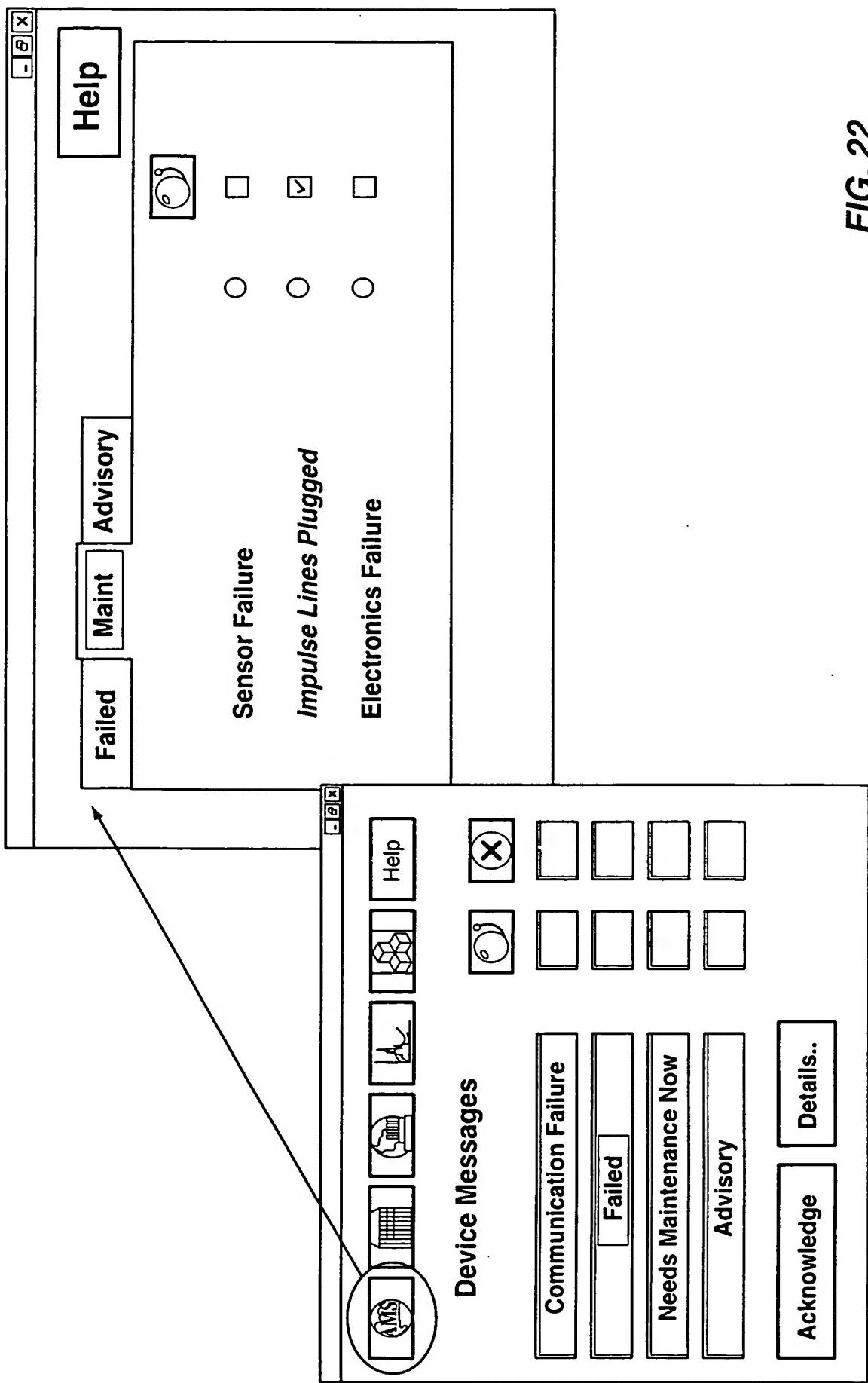


FIG. 21



F/G. 22

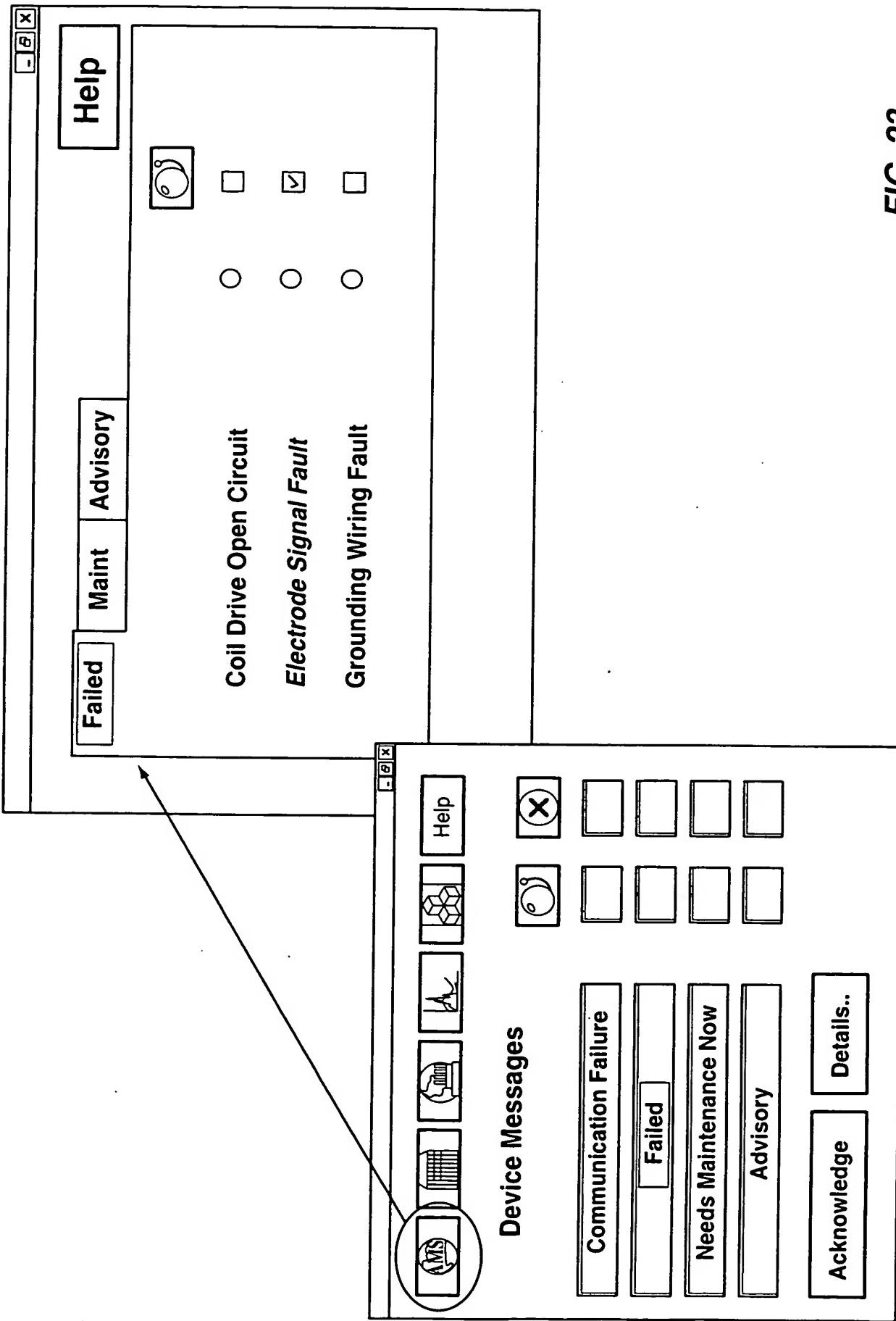


FIG. 23

FIG. 24

Electrode Signal Fault Detected

The flow signal has been compromised. The process variable is likely reading less than expected.

1. Remove any moisture or contamination in the flowtube terminal block or, if applicable, the sealed electrode compartments.

WARNING! The electrode compartment may contain line pressure. Reomoving the cover before depressurizing may result in death or serious injury.

2. Perform flowtube electrical resistance tests. Confirm the resistance reading between coil ground (ground symbol) and coil (1 or 2) is infinity. Confirm the resistance reading between electrode ground (17) and an electrode (18 or 19) is greater than 2 kohms and rises. For more detailed information, consult the flowtube product manual.

3. Verify flowtube is electrically connected to the process with grounding electrode, grounding rings with grounding straps, or lining protector with grounding straps.

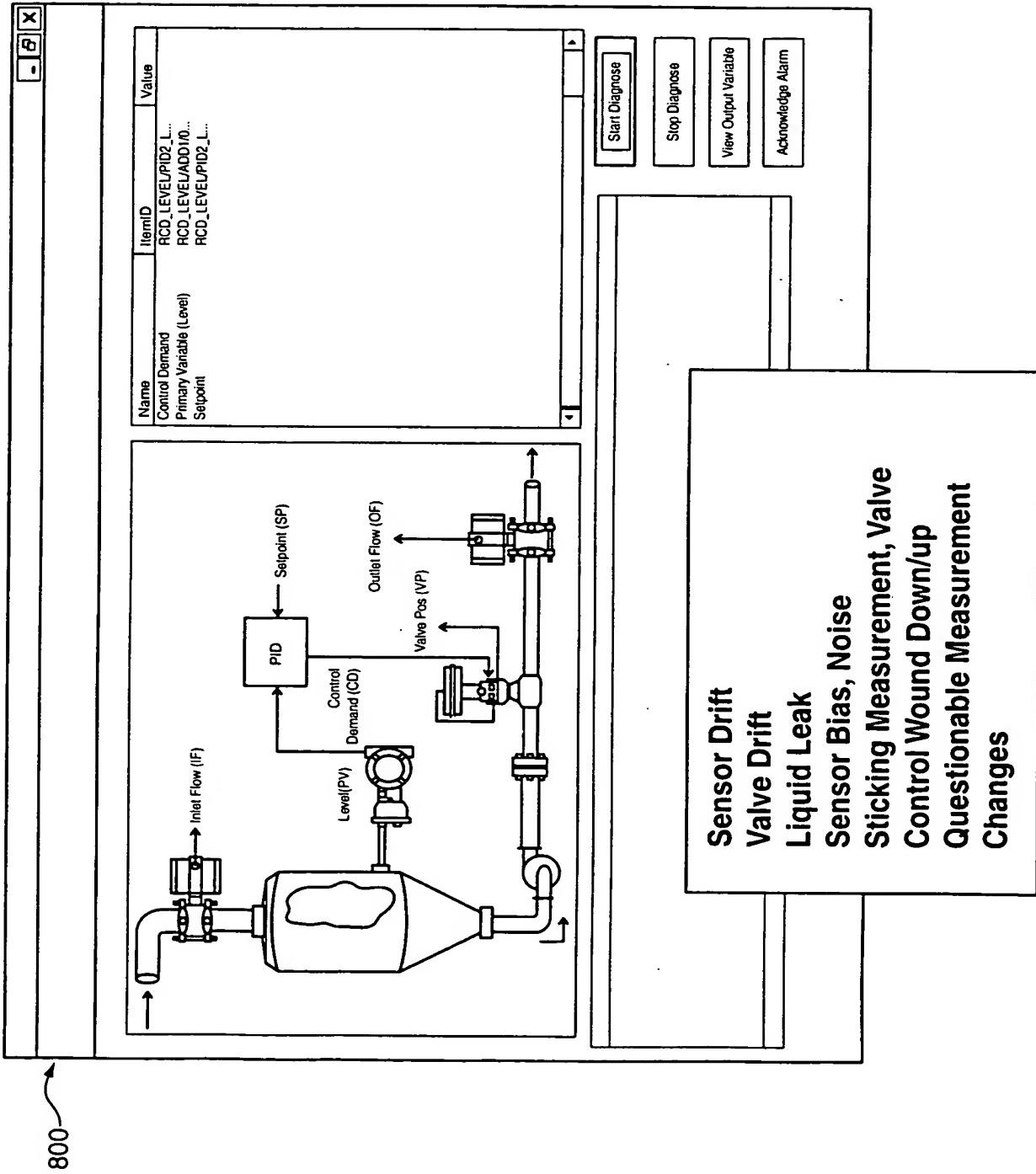
4. Verify transmitter electronics with Model 8714 reference standard. The dial on the 8714 should be set at 9.1 m/s (30 ft/sec). The transmitter should be set up with the nominal flowtube calibration number (1000015010000000) and 5 Hz coil drive frequency.

5. Properly connect the wiring between the flowtube and the transmitter on the flowtube. Corresponding terminal block numbers in the flowtube and transmitter must be connected.

To turn off electrode signal fault detection, go to the diagnostic screen in the transducer block properties.

	Failed	Maint	Advisory
Coil Drive Open Circuit	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrode Signal Fault	<input checked="" type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grounding Wiring Fault	<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>

FIG. 25



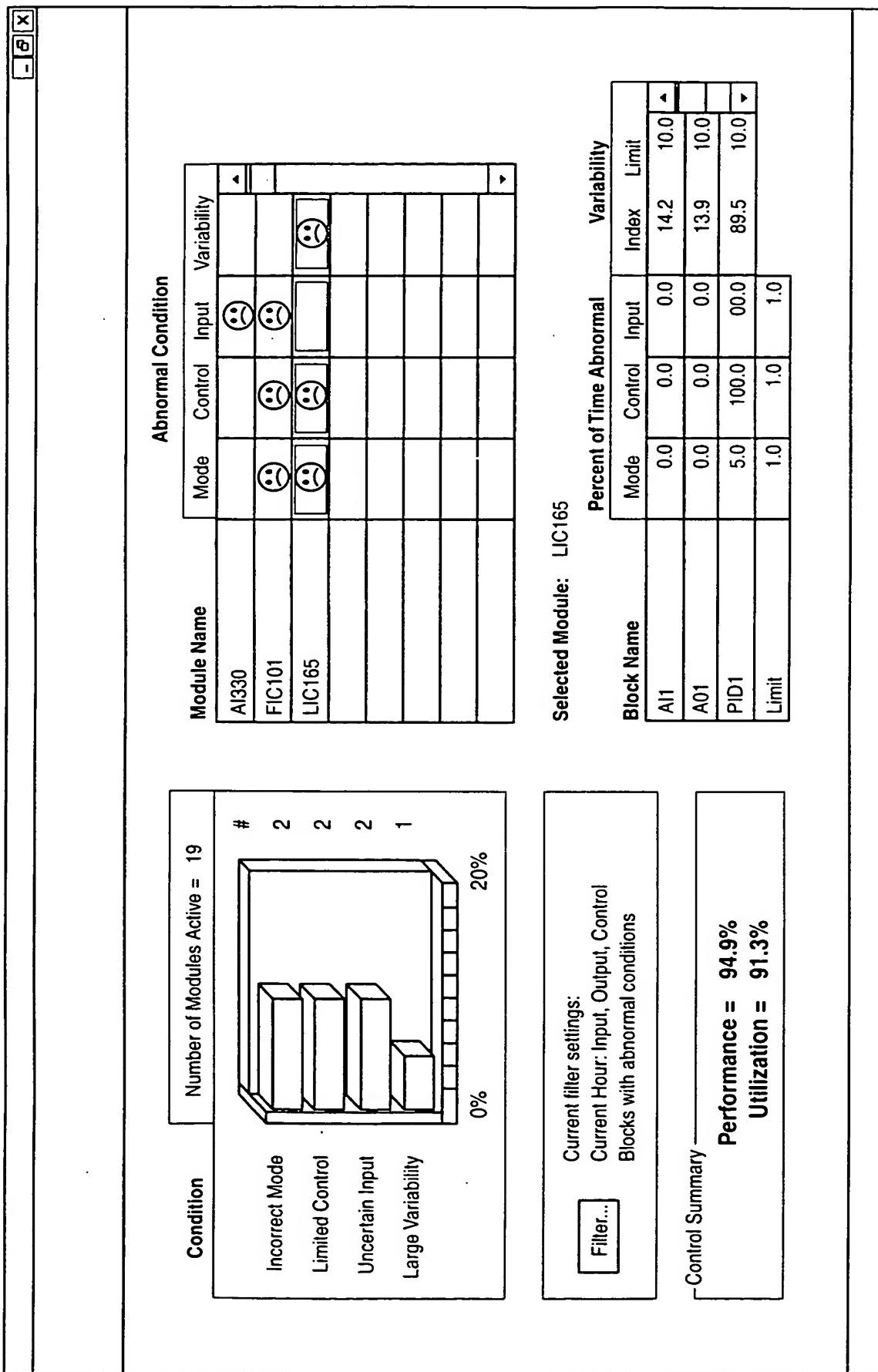
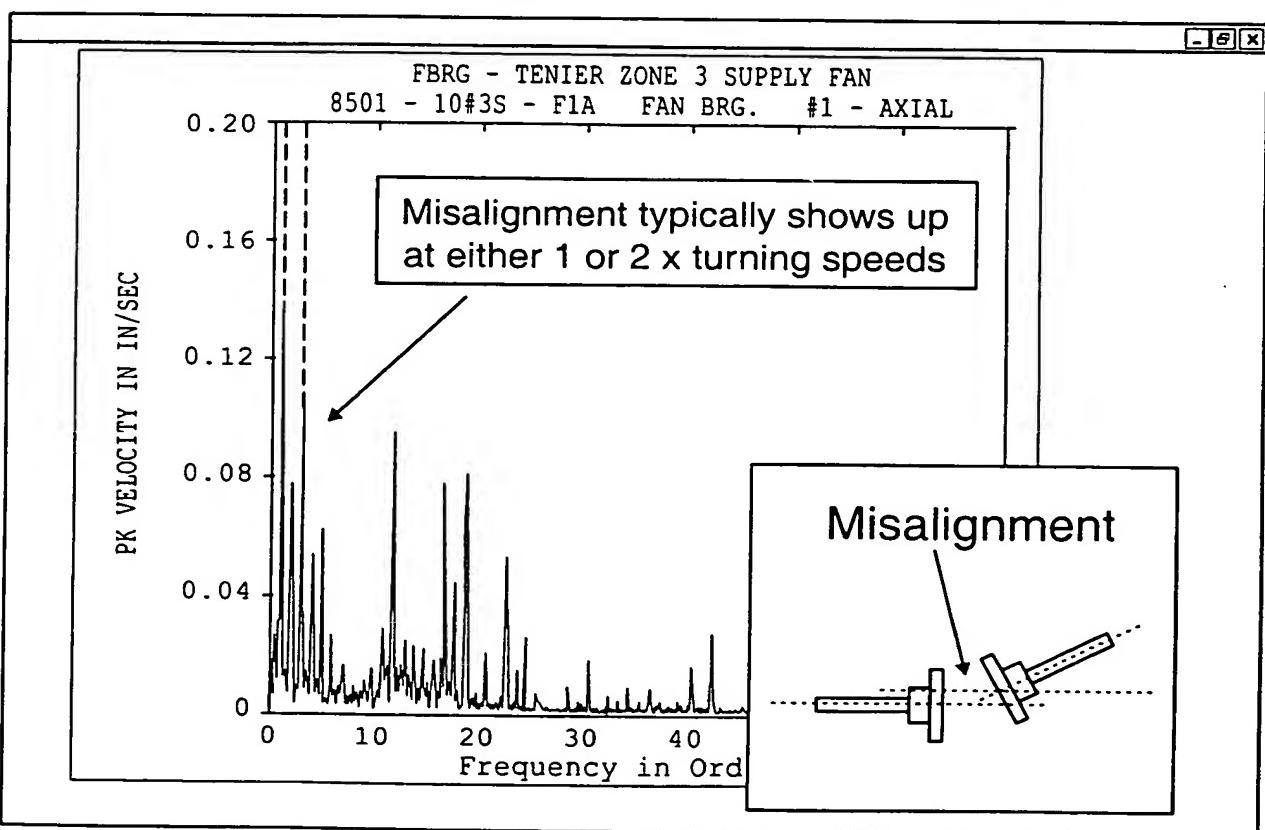
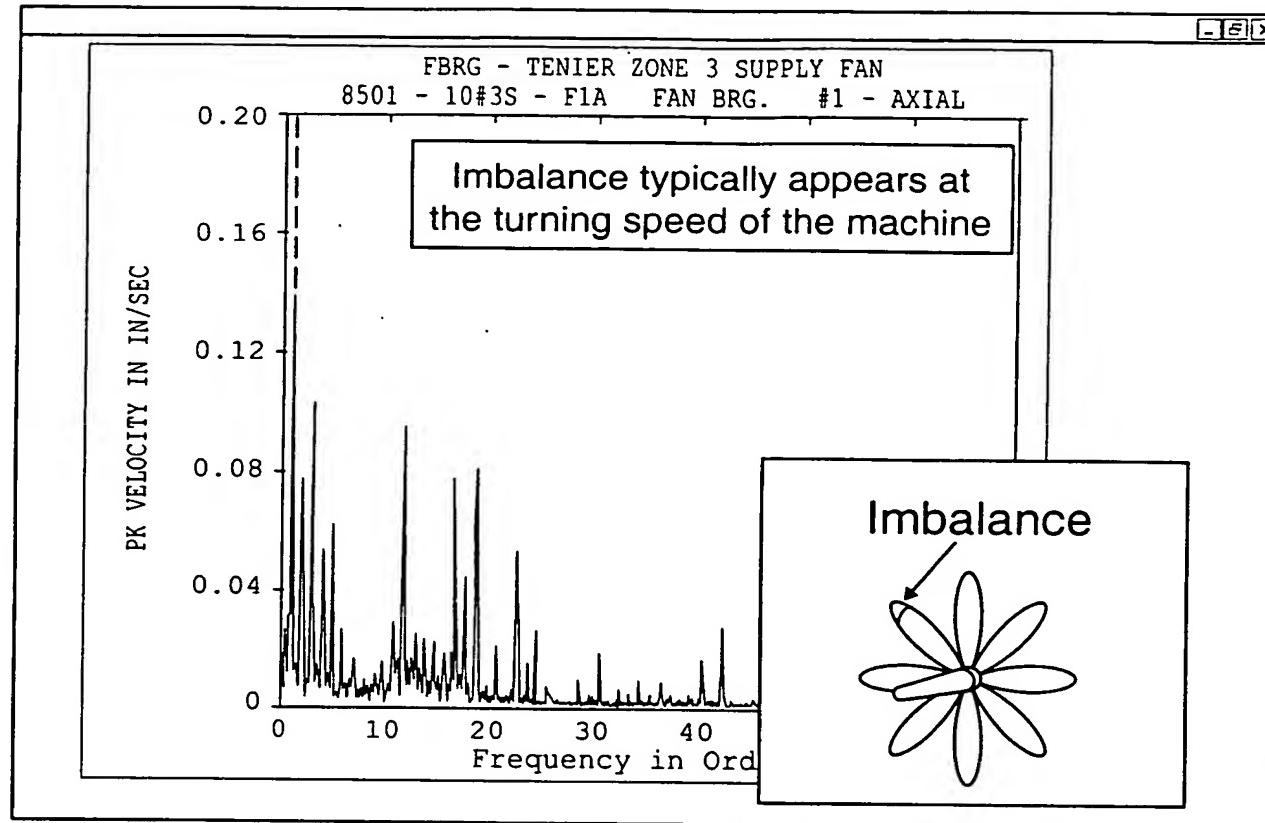


FIG. 26

	Plans	Actuals	Costs	WO Hierarchy	Safety Plan	Failure Reporting	Linked Documents
Modules	SENSOR MEASUREMENT						
Work Order	1194						
Location	BDCUBE	<input checked="" type="checkbox"/>	AMS Business Development Cubicle				
Equipment	TT-111	<input checked="" type="checkbox"/>	Rosemont 3044C in BD Cube				
Reported By	MAXIMO	<input checked="" type="checkbox"/>	Reported By 8/18/00 11	<input checked="" type="checkbox"/>	Work Phone	<input type="checkbox"/>	
Status	WSCH	<input checked="" type="checkbox"/>	Status Date 8/18/00 11	<input checked="" type="checkbox"/>	Charge to Store?	<input type="checkbox"/> N	
GL Account		<input type="checkbox"/>	GL Account		Work Type	<input type="checkbox"/> EM	
Job Details	Problem						
Plans		<input type="checkbox"/>	Job Plan	<input checked="" type="checkbox"/>	Follow-up Work		
Labor		<input type="checkbox"/>	Safety Plan	<input checked="" type="checkbox"/>	Originating WO	<input checked="" type="checkbox"/>	
Calendars		<input type="checkbox"/>	PM AMS1030	<input checked="" type="checkbox"/>	Has Follow-up Work?	<input type="checkbox"/> N	
Resources		<input type="checkbox"/>	Service Contract	<input checked="" type="checkbox"/>	Responsibility		
Scheduling Information							
Start		<input type="checkbox"/>	Completion	<input type="checkbox"/>	Supervisor	<input checked="" type="checkbox"/>	
Target	8/18/00 11:42AM	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Labor Group	<input checked="" type="checkbox"/>	
Scheduled		<input type="checkbox"/>		<input checked="" type="checkbox"/>	Lead Craft/Person	<input checked="" type="checkbox"/>	
Actual		<input type="checkbox"/>		<input checked="" type="checkbox"/>	Modified		
Estimated Duration	0.00	<input type="checkbox"/>	Crew	<input checked="" type="checkbox"/>	By	<input type="checkbox"/> Maximo	
Remaining Duration		<input type="checkbox"/>	Interruption?	<input type="checkbox"/>	Date	<input type="checkbox"/> 8/18/00 11	<input checked="" type="checkbox"/>

FIG. 27



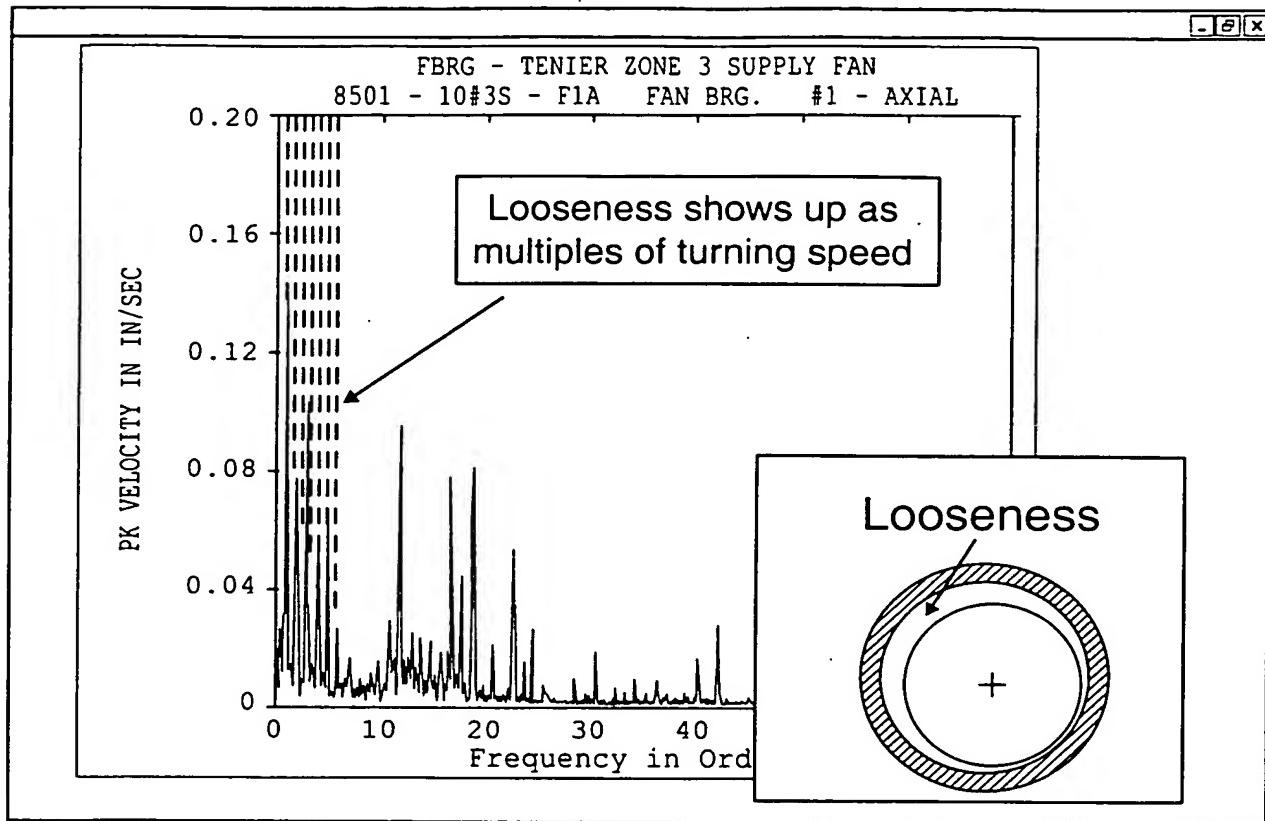


FIG. 30

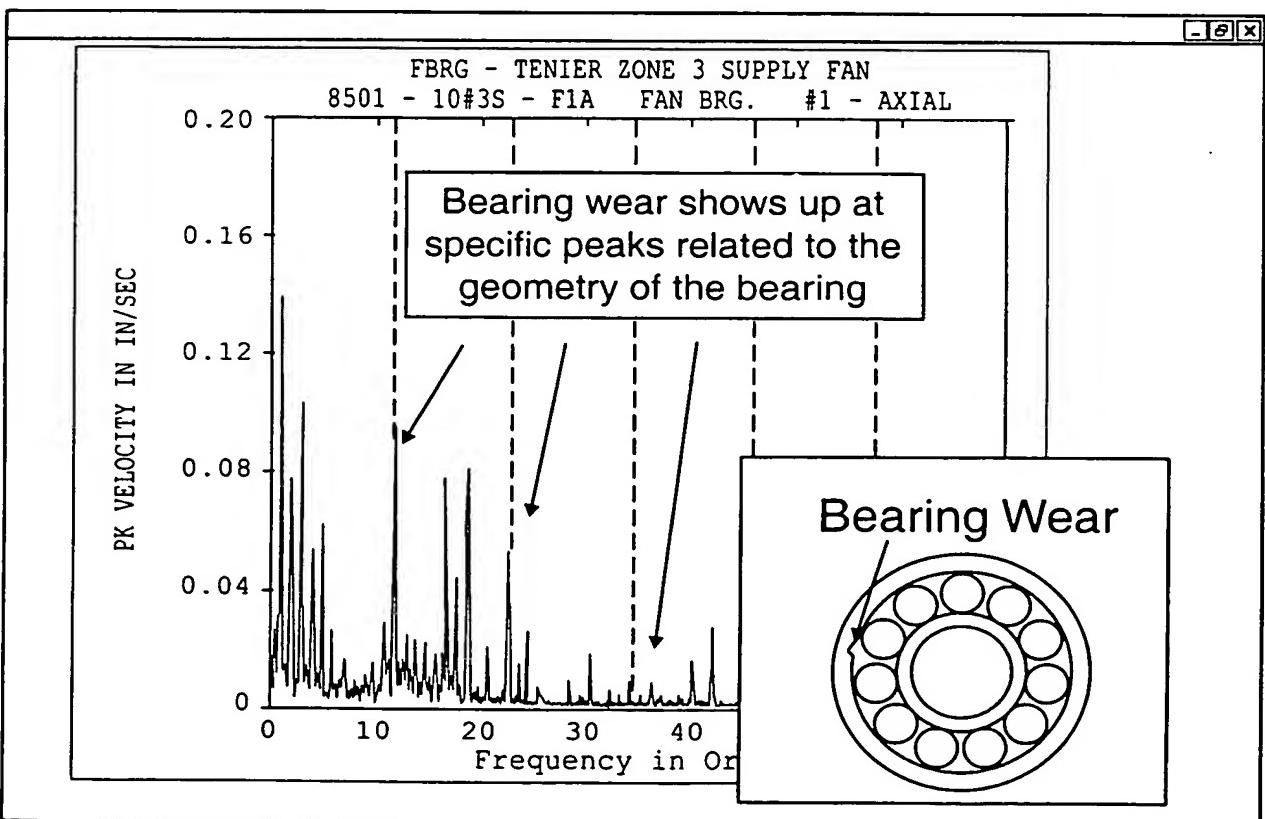


FIG. 31

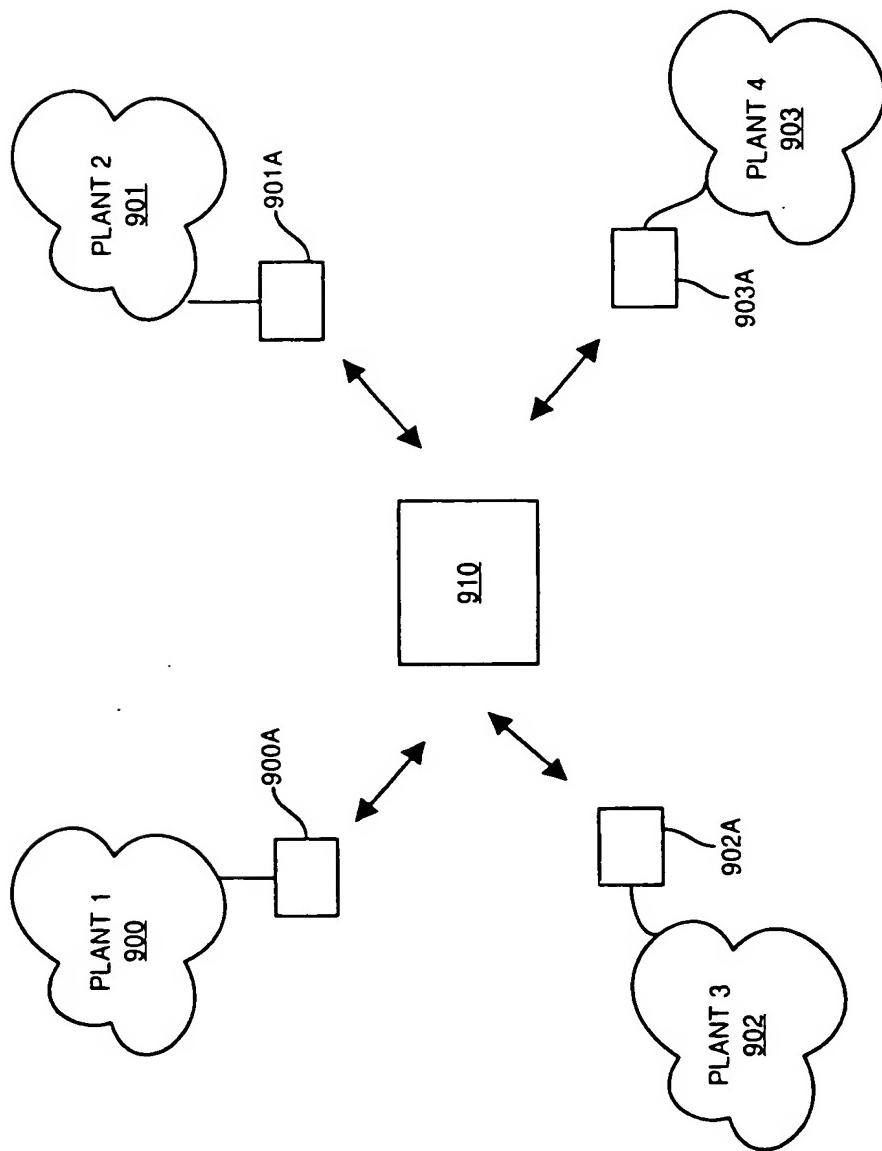


FIG. 32

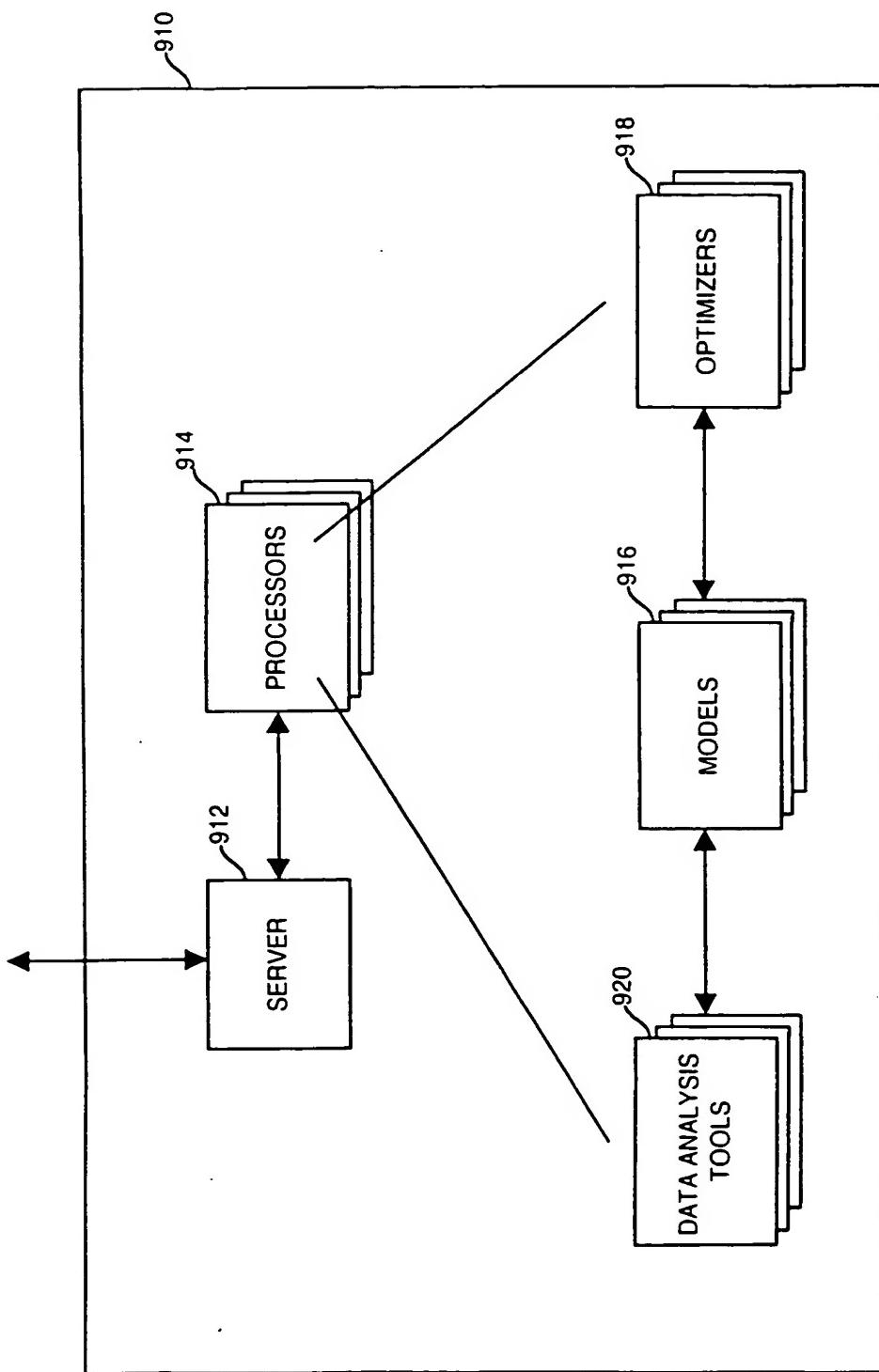


FIG. 33